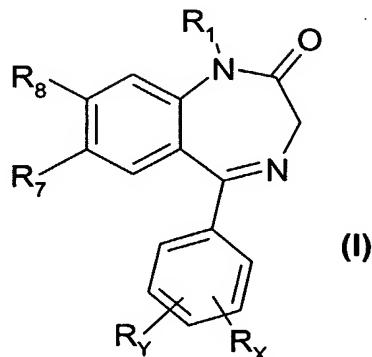


CLAIMS

1. Compounds of general formula (I) :



5

wherein :

- . R₁ represents an hydrogen atom, (C₁-C₆) alkyl, aryl, (C₁-C₆)alkylaryl, aryl(C₁-C₆)alkyl group, (C₃-C₆) alkenyl, or (C₃-C₆) alkenylaryl,
- . R₇ represents a, substituted or not substituted, aryl or heteroaryl group,
- 10 when R₇ is a substituted aryl, it is preferably mono or bis substituted by the following groups : a (C₁-C₆)alkyl, (C₃-C₆)cycloalkyl, (C₃-C₆)cycloalkyloxy, (C₁-C₆)alkyloxy, (C₃-C₆)alkenyloxy, aryloxy, acyl, halogen, trifluoromethyl, difluoromethyl, cyano, nitro, hydroxy, carboxamide, amino, (C₁-C₆)aminoalkyl, (C₁-C₆)aminodialkyl, NCOR₁₂ where R₁₂ is a (C₁-C₆)alkyl, (C₁-C₆)alkylaryl, aryl, or -CONR₁₃R₁₄ wherein R₁₃ and R₁₄, 15 independently from each other, are selected from the group consisting of a hydrogen atom, an (C₁-C₆)alkyl group, (C₃-C₆)alkenyl group, an alkylaryl, an alkenylaryl, and an aryl group,
- . R₈ represents a hydrogen atom or a OR₁₀ group, wherein R₁₀ is a hydrogen atom, an (C₁-C₆)alkyl, (C₃-C₆)cycloalkyl, (C₃-C₆) alkenyl, trifluoromethyl, difluoromethyl, an 20 (C₃-C₆)alkenylaryl, aryl, or heterocyclic group, aromatic or not, having 1 to 3 heteroatoms chosen between O, N, S,
- when R₁₀ is an aryl, it is preferably mono or bis substituted by the following groups : an hydrogen, (C₁-C₆)alkyl, (C₃-C₆)cycloalkyl, (C₃-C₆)cycloalkyloxy, (C₁-C₆)alkyloxy, (C₃-C₆)alkenyloxy, halogen, trifluoromethyl, difluoromethyl, cyano, nitro, hydroxy, 25 carboxamide, amino, (C₁-C₆)aminoalkyl, (C₁-C₆)aminodialkyl, NCOR₁₂ where R₁₂ is a (C₁-C₆)alkyl, (C₁-C₆)alkylaryl, aryl, and -CONR₁₃R₁₄ wherein R₁₃ and R₁₄,

independently from each other, are selected from the group consisting of a hydrogen atom, an (C₁-C₆)alkyl group, (C₃-C₆)alkenyl group, an alkylaryl, an alkenylaryl, and an aryl group,

- . R_X represents an hydrogen atom, an halogen atom, a methyl, a methoxy, an acetyl, a trifluoromethyl, CN, COH or CONH₂ group,
- . R_Y represents an hydrogen, halogen atom, (C₁-C₆)alkyl, (C₃-C₆)cycloalkyl, aryl, arylalkyl, (C₃-C₆)cycloalkyloxy, COH, (C₁-C₆)alkyloxy, alkenyl, (C₃-C₈)alkenyloxy, alkynyl, alkynyoxy, acyl, halogen, trifluoromethyl, difluoromethyl, trifluoromethoxy, difluoromethoxy, cyano, nitro, hydroxy, carboxamide, amino, (C₁-C₆)aminoalkyl, (C₁-C₆)aminodialkyl, NHCOR₁₂ where R₁₂ is a (C₁-C₆)alkyl, (C₁-C₆)alkyloxy, hydroxy, (C₁-C₆)alkylaryl, aryl, or -CONR₁₃R₁₄ wherein R₁₃ and R₁₄, independently from each other, are selected from the group consisting of a hydrogen atom, an (C₁-C₆)alkyl group, an (C₂-C₆)alkenyl group, an alkynyl, an alkylaryl, an alkenylaryl, an alkynylaryl, and an aryl group,
- 15 with the proviso that when R₈ is an hydrogen atom, then R_X or R_Y is different from hydrogen,
or a pharmaceutically acceptable salt thereof.

- 2. Compounds of formula (I) according to claim 1, wherein R₈ is an hydrogen atom, a 20 alkoxy, preferably methoxy or ethoxy, or aryloxy, preferably phenoxy group.

- 3. Compounds of formula (I) according to one of the preceding claims, wherein at least one of R_X and R_Y is different from hydrogen.
- 25 4. Compounds of formula (I) according to one of the preceding claims, wherein R_Y is an hydrogen atom and R_X is different from hydrogen.
- 5. Compounds of formula (I) according to one of the preceding claims, wherein one of R_X and R_Y, different from hydrogen, is on position 3 of the phenyl group represented in 30 formula (I).

- 6. Compounds of formula (I) according to one of the preceding claims, wherein R_X, different from hydrogen, is on position 3 of the phenyl group represented in formula (I).

7. Compounds of formula (I) according to one of the preceding claims, wherein R_X represents CONH_2 , CN group, COCH_3 , preferably on position 3 or 4 of the phenyl group represented in formula (I).

5

8. Compounds of formula (I) according to any one of the preceding claims, wherein R_Y represents H , an halogen atom, CF_3 , $(\text{C}_1\text{-}\text{C}_6)\text{aminoalkyl}$, $(\text{C}_1\text{-}\text{C}_6)\text{aminodialkyl}$, - NHCOR_{12} , - CONH_2 , a $(\text{C}_1\text{-}\text{C}_6)\text{alkyloxy}$ group or a $(\text{C}_1\text{-}\text{C}_6)\text{alkyl}$ group, preferably hydrogen.

10

9. Compounds of formula (I) according to any one of claims 1 to 8, wherein R_1 represents an hydrogen atom, an alkyl group, preferably methyl, ethyl, or propyl, an alkenyl group, preferably propenyl, or arylalkyl group.

15

10. Compounds of formula (I) according to any one of claims 1 to 9, wherein R_7 is a furan group, said group is preferably a furan-2-yl.

11. Compounds of formula (I) according to any one of claims 1 to 9, wherein R_7 is an unsubstituted aryl group, preferably unsubstituted phenyl group.

20

12. Compounds of formula (I) according to any one of claims 1 to 9, wherein R_7 is a substituted aryl or heteroaryl group, preferably a substituted phenyl group.

25

13. Compounds of formula (I) according to claim 12, wherein said substituted aryl or heteroaryl group is substituted with one or two, identical or different, substituents selected in the group consisting of halogen, amino, aminoacyl, CONH_2 , $(\text{C}_1\text{-}\text{C}_6)\text{alkyl}$, aryloxy, and $(\text{C}_1\text{-}\text{C}_6)\text{alkyloxy}$.

30

14. Compounds of formula (I) according to claim 13, wherein alkoxy is a methoxy or ethoxy group.

15. Compounds of formula (I) according to claim 13, wherein the substituted phenyl group R₇ is at least substituted by one group on position ortho, which is preferably an alkoxy group.

5 16. Compounds of formula (I) according to claim 13, wherein the substituted aryl is a phenyl group selected in the group consisting of 4-methoxy-phenyl, 4-fluoro-phenyl, 2-methoxy-phenyl, 2-chloro-phenyl, 4-chloro-phenyl, 3-chloro-phenyl, 3-methoxy-phenyl, 2,5-dimethoxy-phenyl, 2,6-dimethoxy-phenyl, 4-benzamide, 4-cyanophenyl, 2,4-dimethoxy-phenyl, 4-carboxamide-phenyl, 4-acetyl-phenyl, 2-isopropoxy-phenyl, 2-phenoxy-phenyl, and 3,4-dimethoxy-phenyl groups.

10

17. Compounds selected in the group consisting of :

3-(8-Methoxy-1-methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile

15 3-[7-(4-Fluoro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[8-Methoxy-7-(2-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[8-Methoxy-7-(4-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-

20 benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(2-Chloro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(3-Chloro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

25 3-[7-(4-Chloro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-(7-Furan-2-yl-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile

3-(1-Methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile

30 3-[8-Methoxy-7-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-(1-Methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile

3-[7-(2-Methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(3-Methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

5 3-[7-(4-Methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(2,5-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(2,6-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

10 3-[7-(2,4-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

8-Ethoxy-1-ethyl-5,7-diphenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

3-(8-Methoxy-1-methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzamide

15 3-[7-(4-Fluoro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[8-Methoxy-7-(2-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

20 3-[8-Methoxy-7-(4-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(2-Chloro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(3-Chloro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

25 3-[7-(4-Chloro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-(7-Furan-2-yl-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzamide

30 3-(1-methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzamide

3-[7-(2-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(3-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(4-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

5 3-[7-(2,5-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(2,6-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(2,4-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-

10 yl]-benzamide

3-(8-Methoxy-7-(4-benzamide)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzamide

3-[1-Hexyl-8-methoxy-7-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

15 3-[8-Methoxy-7-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[8-Methoxy-7-(2-methoxy-phenyl)-2-oxo-1-propyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[8-Methoxy-7-(2-methoxy-phenyl)-2-oxo-1-phenethyl-2,3-dihydro-1H-

20 benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[1-Benzyl-8-methoxy-7-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

5-(3-Chloro-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(2-Chloro-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

25 5-(4-Chloro-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

3-(8-Methoxy-1-methyl-2-oxo-7-(4-cyanophenyl)-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile.

3-[1-Benzyl-8-methoxy-7-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

30 3-[8-Methoxy-7-(2-methoxy-phenyl)-2-oxo-1-propyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[8-Methoxy-7-(2-methoxy-phenyl)-2-oxo-1-phenethyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[1-Hexyl-8-methoxy-7-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(4-Acetyl-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

5 3-[7-(4-Acetyl-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

5-(4-Methoxy-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(2-Methoxy-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

3-(7-Furan-2-yl-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-

10 benzonitrile

3-[7-(3,4-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(3,4-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

15 5-(3,5-Dichloro-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(3,4-Dichloro-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(4-Fluoro-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(3-Acetyl-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

1-Methyl-7-phenyl-5-(3-trifluoromethyl-phenyl)-1,3-dihydro-benzo[e][1,4]diazepin-2-

20 one

1-Methyl-5-(4-methyl-3-nitro-phenyl)-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

1-Methyl-7-phenyl-5-(4-trifluoromethoxy-phenyl)-1,3-dihydro-benzo[e][1,4]diazepin-2-one

25 5-(3-Bromo-phenyl)-8-methoxy-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

3-[7-(2-Isopropoxy-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

5-(3,4-Dimethoxy-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

30 1-Methyl-5-(3-nitro-phenyl)-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(3-Hex-1-ynyl-phenyl)-8-methoxy-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

{3-[3-(8-Methoxy-1-methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-phenyl]-prop-2-ynyl}-carbamic acid tert-butyl ester

5-(3-Amino-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5 3-(1-Methyl-2-oxo-8-phenoxy-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile

3-[7-(2-Methoxy-phenyl)-1-methyl-2-oxo-8-phenoxy-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(2-Chloro-phenyl)-1-methyl-2-oxo-8-phenoxy-2,3-dihydro-1H-

10 benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-(1-Methyl-2-oxo-8-phenoxy-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzamide

3-[7-(2-Chloro-phenyl)-1-methyl-2-oxo-8-phenoxy-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

15 3-[7-(2-Methoxy-phenyl)-1-methyl-2-oxo-8-phenoxy-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

7-(2,6-Dimethoxy-phenyl)-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

8-Methoxy-5-(4-methoxy-phenyl)-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

20 7-(2,6-Dimethoxy-phenyl)-1-methyl-5-(4-methyl-3-nitro-phenyl)-1,3-dihydro-benzo[e][1,4]diazepin-2-one

3-[7-(2-Isopropoxy-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

5-(3-Methoxy-phenyl)-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

25 5-(3-Bromo-phenyl)-8-methoxy-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

3-[7-(2-Chloro-6-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(5-Chloro-2-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

30 3-[7-(2-Chloro-6-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[7-(5-Chloro-2-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-(2-Oxo-7-phenyl-8-trifluoromethoxy-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile

3-(1-Methyl-2-oxo-7-phenyl-8-trifluoromethoxy-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzonitrile

5 3-(1-Methyl-2-oxo-7-phenyl-8-trifluoromethoxy-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzamide

3-[1-Methyl-2-oxo-7-(2-phenoxy-phenyl)-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[7-(2,6-Dimethoxy-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

10 3-[8-Methoxy-1-methyl-2-oxo-7-(2-phenoxy-phenyl)-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzonitrile

3-[1-Methyl-2-oxo-7-(2-phenoxy-phenyl)-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

15 3-[7-(2,6-Dimethoxy-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

3-[8-Methoxy-1-methyl-2-oxo-7-(2-phenoxy-phenyl)-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide

8-Methoxy-1-methyl-7-phenyl-5-[3-(4-phenyl-butyl)-phenyl]-1,3-dihydro-

20 benzo[e][1,4]diazepin-2-one

8-Methoxy-5-[3-(3-methoxy-prop-1-ynyl)-phenyl]-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

{3-[4-(8-Methoxy-1-methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-phenyl]-prop-2-ynyl}-carbamic acid tert-butyl ester

25 8-Methoxy-1-methyl-7-phenyl-5-(4-phenylethynyl-phenyl)-1,3-dihydro-benzo[e][1,4]diazepin-2-one

8-Methoxy-5-[4-(3-methoxy-prop-1-ynyl)-phenyl]-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(3,4-Dichloro-phenyl)-7-(2,6-dimethoxy-phenyl)-1-methyl-1,3-dihydro-

30 benzo[e][1,4]diazepin-2-one

7-(2,6-Dimethoxy-phenyl)-5-(4-fluoro-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(3,4-Dimethoxy-phenyl)-7-(2,6-dimethoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(2-Bromo-phenyl)-8-methoxy-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

8-Methoxy-5-[3-(3-methoxy-propyl)-phenyl]-1-methyl-7-phenyl-1,3-dihydro-

5 benzo[e][1,4]diazepin-2-one

5-(2-Bromo-phenyl)-8-methoxy-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(4-Hex-1-ynyl-phenyl)-8-methoxy-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

10 8-Methoxy-5-[4-(3-methoxy-propyl)-phenyl]-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

{3-[4-(8-Methoxy-1-methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-phenyl]-propyl}-carbamic acid tert-butyl ester

8-Methoxy-5-(4-methoxy-phenyl)-7-(2-methoxy-phenyl)-1-methyl-1,3-dihydro-

15 benzo[e][1,4]diazepin-2-one

7-(2,6-Dimethoxy-phenyl)-8-methoxy-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

7-(2,5-Dimethoxy-phenyl)-8-methoxy-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

20 7-(2-Fluoro-6-methoxy-phenyl)-8-methoxy-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

8-Methoxy-5-(4-methoxy-phenyl)-1-methyl-7-(2-phenoxy-phenyl)-1,3-dihydro-benzo[e][1,4]diazepin-2-one

5-(4-Bromo-phenyl)-8-methoxy-1-methyl-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-

25 2-one

5-(4-Bromo-phenyl)-8-methoxy-7-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one

7-(2,6-Dimethoxy-phenyl)-1-methyl-5-m-tolyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one.

30 18. Compounds selected in the group consisting of :
3-[7-(2,6-dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[7-(2,5-dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[8-methoxy-7-(4-methoxy-phenyl)-1-methyl-

2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[8-methoxy-7-(2-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[7-(2-chloro-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-(8-methoxy-1-methyl-2-oxo-7-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl)-benzamide, 7-(2,6-Dimethoxy-phenyl)-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one, 3-[7-(2-Chloro-6-methoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[7-(2,6-Dimethoxy-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[8-Methoxy-1-methyl-2-oxo-7-(2-phenoxy-phenyl)-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 5-(3,4-Dichloro-phenyl)-7-(2,6-dimethoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one, 7-(2,6-Dimethoxy-phenyl)-1-methyl-5-m-tolyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one and 7-(2,6-Dimethoxy-phenyl)-8-methoxy-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one.

15 19. Compounds selected in the group consisting of :
3-[7-(2,5-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[7-(2,6-Dimethoxy-phenyl)-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 3-[7-(2,6-Dimethoxy-phenyl)-8-methoxy-1-methyl-2-oxo-2,3-dihydro-1H-benzo[e][1,4]diazepin-5-yl]-benzamide, 7-(2,6-Dimethoxy-phenyl)-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one, 7-(2,6-Dimethoxy-phenyl)-5-(4-fluoro-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one, and 7-(2,6-Dimethoxy-phenyl)-8-methoxy-5-(4-methoxy-phenyl)-1-methyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one.

20 25 20. A pharmaceutical composition comprising at least one compound as defined in one of the preceding claims, and a pharmaceutically acceptable vehicle or support.

30 21. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of diseases associated with abnormal regulation of intracellular cAMP and/or cGMP rate.

22. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of diseases of the central nervous system, especially connected with an abnormal regulation of neurotransmitter effect or a release deficiency of one of the neurotransmitters.

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23. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of a disease selected in the group consisting of depression, schizophrenia, autism, anxiety, bipolar disorder, attention deficit hyperactivity disorder (ADHD), sleeping disorders, 10 obsessive compulsive disorders (OCD), Post Traumatic Stress Disorder (PTSD) fibromyalgia, Tourette's syndrome, drug or alcohol dependence, epilepsy, Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, multiple sclerosis, obesity, and Lewy body dementia.

15 24. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of a disease of the peripheral nervous system or peripheral organs.

20 25. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of a disease selected in the group consisting of reduced natriuria pathologies, acute renal or liver failure, liver dysfunction, and pathologies due to or involving prolactin release dysfunction, such as restless leg syndrome, rheumatic, allergic or autoinflammatory disorders, such as rheumatoid arthritis, rhinitis, and asthma.

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26. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of, central or peripheral, acute or chronic diseases.

30 27. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of memory deficiency or cognitive disorders.

28. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of neuro-degenerative diseases.
- 5 29. The use of a compound of any one of the claims 1-19 or a pharmaceutical salt thereof for the preparation of a pharmaceutical composition for the treatment of obesity.